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PTO/SB/81 (02-01)

Approved for use through 10/31/2002. OMB 0651-0035

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31355 U.S. PTO  
10/744000



## POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

Application Number	not assigned
Filing Date	herewith
First Named Inventor	RABIE, Sameh, et al.
Title	ETHERNET TO FRAME RELAY INTERWORKING WITH MULTIPLE QUALITY OF SERVICE LEVELS
Group Art Unit	
Examiner Name	
Attorney Docket Number	16201ROUS01U

I hereby appoint:

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**OR**

☒ Practitioner(s) named below:

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Name	Registration Number
Jean-Pierre Fortin	32,819

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

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**OR**

☒ Practitioners at Customer Number

**OR**

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☒ Firm or  
Individual Name

Nortel Networks Limited

Address

P.O. Box 3511, Station C

Address

City

Ottawa

State

Ontario

Zip

K1Y 4H7

Country

Canada

Telephone

(613)768-3035

Fax

(613)768-3017

I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

### SIGNATURE of Applicant or Assignee of Record

Name

Jean-Pierre Fortin, Director, Intellectual Property

Signature

Date

December 19, 2003

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☒ \*Total of 1 forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: RABIE, Sameh, et al./Nortel Networks LimitedApplication No./Patent No.: \_\_\_\_\_ Filed/Issue Date: December 22, 2003Entitled: ETHERNET TO FRAME RELAY INTERWORKING WITH MULTIPLE QUALITY OF SERVICE LEVELSNortel Networks Limited, a Corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or2. ☐ an assignee of less than the entire right, title and interest.The extent (by percentage) of its ownership interest is \_\_\_\_\_ %  
in the patent application/patent identified above by virtue of either:A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

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The document was recorded in the United States Patent and Trademark Office at  
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3. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.☐ Additional documents in the chain of title are listed on a supplemental sheet.☒ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

December 19, 2003

Date

(613) 768-3035

Telephone number

Jean-Pierre Fortin

Typed or printed name

  
Signature

Director, IP

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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FILE NO. 16201ROUS01U  
Worldwide

PATENT APPLICATION  
ASSIGNMENT

---

**FOR VALUABLE CONSIDERATION**, the receipt of which is hereby acknowledged, we the undersigned, whose full post office addresses are listed below our names, do hereby sell, assign and transfer to:

**NORTEL NETWORKS LIMITED**

(hereinafter "Nortel"), its successors, assigns and legal representatives, whose full post office address is:

2351 Boulevard Alfred-Nobel  
St. Laurent QC H4S 2A9  
CANADA

all their right, title, and interest worldwide in and to the invention relating to

**ETHERNET TO FRAME RELAY INTERWORKING WITH MULTIPLE QUALITY  
OF SERVICE LEVELS**

as described in an application for letters patent filed concurrently herewith in United States Patent and Trademark Office on \_\_\_\_\_ and given Serial Number \_\_\_\_\_, as well as all rights and privileges including priority rights arising from the aforesaid application and corresponding applications in other countries, all continuations, continuations-in-part, divisions, renewals, substitutes or reissues thereof, and all the rights and privileges under any and all letters patent that may be granted for said invention.

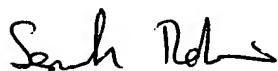
We undertake without charges to Nortel but at its request and expense to execute all documents, take all oaths and do all reasonable acts to enable Nortel, its successors assigns and legal representatives to procure and maintain patent or any other intellectual property protection for said invention in any and all countries and to vest title thereto to Nortel, its successors assigns and legal representatives.

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2

PATENT APPLICATION  
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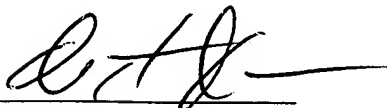
THE UNDERSIGNED hereby authorizes Nortel's Intellectual Property Law Group to correct clerical errors in this Assignment or to insert any further identification or other information necessary or desirable to make this Assignment suitable for recordal in a domestic or foreign Patent Office.



Sameh Rabie  
30 Balding Crescent  
Kanata ON K2K 2L3  
Canada

Dec 19 / 2003

Date



Witness Signature

Dec 19 / 03

Witness Name (Print)



Richard Pommerville  
22 Rue Upwood  
Ottawa ON K1T 3Y5  
Canada

Dec 19 / 2003

Date



Witness Signature

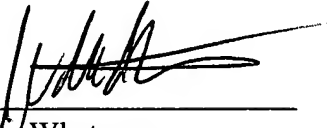
Dec 19 / 03

Witness Name (Print)

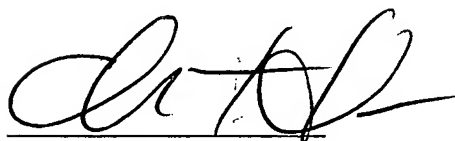
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3


PATENT APPLICATION  
ASSIGNMENT

  
\_\_\_\_\_  
John Whatman  
308 Second Avenue  
Ottawa ON K1S 2J2  
Canada

19 Dec 2003  
\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Witness Signature

Dec 19/03  
\_\_\_\_\_  
Witness Name (Print)

  
\_\_\_\_\_  
Bashar Abdullah  
45 Flintridge Crescent  
Ottawa ON K2M 2X9  
Canada

19 Dec 2003  
\_\_\_\_\_  
Date


  
\_\_\_\_\_  
Witness Signature

Dec 19/03  
\_\_\_\_\_  
Witness Name (Print)

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Worldwide

4

PATENT APPLICATION  
ASSIGNMENT

  
\_\_\_\_\_

John Davies  
241 Equestrian Drive  
Kanata ON K2M 1A5  
Canada

19 Dec 2003  
Date

  
\_\_\_\_\_

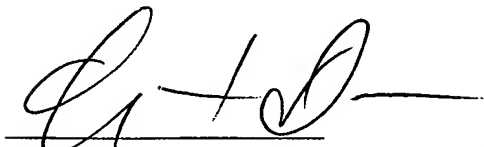
Witness Signature

Dec 19/03  
Witness Name (Print)

  
\_\_\_\_\_

Baghdad Barka  
2 Burgess Avenue  
Nepean ON K2B 7X1

Dec 19, 2003  
Date

  
\_\_\_\_\_

Witness Signature

Dec 19/03  
Witness Name (Print)

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<b>DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)</b>  <input checked="" type="checkbox"/> Declaration Submitted with Initial Filing      OR <input type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)	<b>Attorney Dock t Number</b>	16201ROUS01U
	<b>First Nam d Inv ntor</b>	RABIE, Sameh, et al.
	<b>COMPLETE IF KNOWN</b>	
	<b>Application Number</b>	/
	<b>Filing Date</b>	
	<b>Art Unit</b>	
	<b>Examiner Name</b>	

As the below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original and first inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

ETHERNET TO FRAME RELAY INTERWORKING WITH MULTIPLE QUALITY OF SERVICE LEVELS

(Title of the Invention)

the specification of which

☒ is attached hereto

OR

☐ was filed on (MM/DD/YYYY) [ ] as United States Application Number or PCT International

Application Number [ ] and was amended on (MM/DD/YYYY) [ ] (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

[Page 1 of 2]

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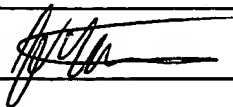


## DECLARATION — Utility or Design Patent Application

Direct all correspondence to: <input checked="" type="checkbox"/>		Customer Number or Bar Code Label 00626		OR <input type="checkbox"/> Correspondence address below	
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Address					
City			State		ZIP
Country		Telephone			Fax
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.					
NAME OF SOLE OR FIRST INVENTOR:				<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])			Family Name or Surname		
SAMEH			RABIE		
Inventor's Signature <i>Sameh Rabie</i>				Date Dec 19/2003	
Residence: City Kanata		State ON	Country Canada		Citizenship Canadian
Mailing Address 30 Balding Crescent					
City Kanata		State ON	ZIP K2K 2L3		Country Canada
NAME OF SECOND INVENTOR:				<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])			Family Name or Surname		
RICHARD			POMMAINVILLE		
Inventor's Signature <i>Richard Pommainville</i>				Date Dec 19/2003	
Residence: City Ottawa		State ON	Country Canada		Citizenship Canadian
Mailing Address 22 Rue Upwood					
City Ottawa		State ON	ZIP K1T 3Y5		Country Canada
<input checked="" type="checkbox"/> Additional inventors are being named on the <u>2</u> supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.					

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**DECLARATION****ADDITIONAL INVENTOR(S)**  
Supplemental Sheet

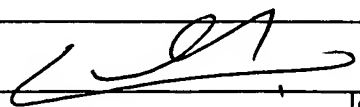
Page 1 of 2

<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
JOHN		WHATMAN	
Inventor's Signature 		Date 19 Dec 2003	
Ottawa Residence: City	ON State	Canada Country	Canadian Citizenship
Mailing Address			
308 Second Avenue Mailing Address			
Ottawa City	ON State	K1S 2J2 Zip	Canada Country
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
BASHAR		ABDULLAH	
Inventor's Signature 		Date 19 Dec 2003	
Ottawa Residence: City	ON State	Canada Country	Canadian Citizenship
Mailing Address			
45 Flintridge Crescent Mailing Address			
Ottawa City	ON State	K2M 2X9 Zip	Canada Country
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
JOHN ROSSER JR.		DAVIES	
Inventor's Signature 		Date 19 Dec. 2003	
Kanata Residence: City	ON State	Canada Country	Canadian Citizenship
Mailing Address			
241 Equestrian Drive Mailing Address			
Kanata City	ON State	K2M 1A5 Zip	Canada Country

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**DECLARATION****ADDITIONAL INVENTOR(S)**  
Supplemental SheetPage 2 of 2

<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
BAGHDAD		BARKA	
Inventor's Signature 		Date <u>Dec. 19, 2003</u>	
Nepean Residence: City	ON State	Canada Country	Canadian Citizenship
Mailing Address			
2 Burgess Avenue			
Mailing Address			
Nepean City	ON State	K2B 7X1 Zip	Canada Country
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Inventor's Signature		Date	
Residence: City	State	Country	Citizenship
Mailing Address			
Mailing Address			
City	State	Zip	Country
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Inventor's Signature		Date	
Residence: City	State	Country	Citizenship
Mailing Address			
Mailing Address			
City	State	Zip	Country

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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